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Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(S): Brian STYLES

TITLE: *METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL*

In connection with this application, the following are enclosed:

- 35 Pages of Specification, Claims and Abstract
- 29 Claims
- 25 Sheets of Drawings (FIGS. 1-26)
- XX Declaration, Power of Attorney
- XX Small Entity Statement

The fee has been calculated as shown below. (Large entity fees indicated in parentheses.)

(1) For	(2) Number Filed		(3) Number Extra	(4) Rate	(5) Basic Fee \$345 (\$690)
Total Claims	29	20	9	\$9 (\$18)	81
Independent Claims	4	3	1	\$39 (\$78)	39
Multiple Dependent Claims			0	\$130 (\$260)	0
Assignment Recording Fee				\$40	0
TOTAL FEE:					\$ 465


XX A check in the amount of \$465.00 is enclosed. A duplicate copy of this sheet is enclosed.

XX The Commissioner is hereby authorized to charge payments of (1) any additional filing fees required under 37 CFR 1.16, and/or (2) any patent application processing fees under 37 CFR 1.17 associated with this application or credit any overpayment to Deposit Account No. 50-0601.

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Respectfully submitted,

BY: 
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Atty Docket: 570-A00-001
Brian STYLES : APPLICATIONS BRANCH
Serial No. (not yet assigned) :
Filed: HEREWITH :
FOR: *METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON
SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL*

CERTIFICATE OF EXPRESS MAIL MAILING

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<u>X</u>	Application Transmittal
<u>X</u>	Specification, Claims, Abstract
<u>X</u>	1 set of 25 sheets of drawings
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Applicant or Patentee: Brian STYLES

Serial or Patent No.: (Not yet assigned)

Filed: (Herewith)

For: **METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING
A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL****VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) AND 1.27(b)) - INDEPENDENT INVENTOR**

As below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office

☒ the specification filed herewith with title as listed above.

☐ the application identified above.

☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

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Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Name of Inventor: Brian StylesSignature of Inventor: Date: January 21, 2000

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demand on the administration of networks by administrators.

5 The administrators must set up for each client, what shared applications the client will have access to, defining the desktop layout and security, and other client configurations. As an example, one application from Microsoft Corporation called Outlook often requires client user configuration guided by an installation wizard. However, many computer users may not know what to enter for the
10 wizard or may provide incorrect values, so network administrators have made use of logon scripts to provide a pre-configured environment.

 The term "logon script" is the set of executables or scripts or batch files that a client system runs during logon, which may be locally stored on the client or retrieved from a server that defines the resources, security and the
15 configuration for each client. Operating systems 306 such as Microsoft Windows NT4.0 provide some setting for applications that can be configured automatically during the clients' boot-up and login in the client default profile or through system policies. However, some of the settings for applications and resources, such as mapping a drive letter to a network resource or connecting to a network printer
20 or automatic software deployment, that fall between the cracks of what Windows NT allows administrators to configure automatically for each client. For these settings custom logon scripts files or custom executables have been used.

 Logon scripts have been around with products such as Novell Inc.'s Netware™ products for years. The Novell products are not the only scripting
25 products available, and other scripts are possible in operating system 306 such as Windows NT 4.0 Logon scripts are very useful tools in the network environment. Logon scripts automatically run during the logon process and can help set up the client working environment by copying files, creating connections, and launching applications. The logon process can be summarized as the

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sequence events between the time a user enters their authentication information (e.g., userid and password) and the time the computer is ready to be used (e.g. the desktop is loaded and the user can begin work).

5 In fact it is common today for most corporate networks to use logon scripts because they assist with centralized administration, however logon scripts are difficult to create, edit and administer. Also, logon scripts in certain environments such as Windows NT can be assigned to a single users or multiple user by entering the script name in the user manager for domains. The scripts are placed in the domain controller's NetLogon share
10 (%systemroot%\system32\rep\import\scripts) and can be setup to replicate across all domain controllers for ease on the administrator. For further information on Windows NT refer generally to Microsoft Press, "Managing a Windows NT Network Notes from the Field", Copyright 1999 Microsoft Corporation.

15 These logon scripts although useful for help administering and managing networks are not without there shortcomings. One shortcoming with logon scripts today is that they are written in a special scripting language or DOS batch files and must be hand edited and debugged. The requirement to write and debug logon scripts across an enterprise network installation is time consuming and
20 expensive. Accordingly, a need exists for a method and apparatus to provide a centralized configuration.

Another shortcoming with current logon scripts is that they are cumbersome to manage across several clients. To centrally manage clients, network administrators make use of batch files and scripts that are customized
25 to each client. The process of managing custom batch files for each user and/or computer is tedious. Moreover, the simple logon scripting languages, such as DOS batch files cannot support the complex features of network administration.

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More complex feature such as group memberships, printer deployment, proxy server access, MS Office paths, service packs, anti-virus updates, policies and automatic Outlook/Exchange mail profile creation are not supported in many logon scripts. The administrators of large networks are then forced to make a difficult choice of either learning a more complex logon scripting language and attendant debugger or forego supporting more complex features centrally in the network administration. Accordingly, a need exists for a method and an apparatus to provide administration of a plurality of clients across a network without that is able to handle more complex support features without the need to debug a single line of code.

Still another shortcoming with current logon scripts is that there is no method to validate if a desired setting is proper for a given user on a given client system. Stated differently, certain resources should not be set if a giving group, a selected operating system and a selected connection method is not meets. For example a logon script may request a certain drive letter for the client, say drive letter "O" to be mapped a particular resource, say a CD ROM on a server, however this can only happen if the user of the client is a member of a particular group. Today no method exists for the client to verify a logon script for one or more predefined conditions. Accordingly, a need exists for a method to permit clients to validate logon scripts.

SUMMARY OF THE INVENTION

A GUI Manager to is by a network administrator to fill-in predefined templates. The administrator does not need to compile, debug or write a single line of scripting code. The GUI manager has a "select the box" and "point and click" and "fill-in the blank" approach for selecting computer settings. The predefined template or templates are used by a logon script program on a client

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system to manage the configuration of resources on at least one client. There are three levels of resources that can be managed. The first type of resource is operating system. The second level is a resource for an application. And the third type of resource is to redirect a resource on the client to a resource on a network such as a drive letter mapping. Resources include configurations from the group of configuration settings consisting of drive mappings, shell folders, printer deployment, proxy server access, application paths, service packs, anti-virus updates, policies and automatic mail profile creation.

In another embodiment validation logic is used on the clients' system during the executing an application program that takes the template and applies the defined configuration settings in the template to the clients' system so as to automatically configure at least one configuration setting for a user if the combination of one or more predefined conditions for a selected group, a selected operating system and a selected connection method are met.

In still another embodiment, an interpretive engine is used on the client's system to permit the administration of client resources with a template while also allowing network administrators to build their own custom logon scripts.

BRIEF DESCRIPTION OF THE DRAWINGS

The subject matter which is regarded as the invention is particularly pointed out and distinctly claimed in the claims at the conclusion of the specification. The foregoing and other objects, features, and advantages of the invention will be apparent from the following detailed description taken in conjunction with the accompanying drawings.

FIG. 1 is a block diagram of a client-server system for carrying out this present invention.

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FIG. 2 is a block diagram of the major electrical components of an information processing system according to the present invention.

FIG. 3 is a block diagram illustrating the software hierarchy for the information processing device of FIG. 2 according to the present invention.

5 FIG. 4 is a high level block diagram of the over all client-server graphical logon tool architecture according to the present invention.

FIG. 5 is a flow diagram of the client-server process flow according to the present invention.

10 FIG. 6 is a block diagram of the graphical logon tool architecture on a client according to the present invention.

FIG. 7 is an exemplary screen shot of a the graphical scripting tool for drive settings according to the present invention.

FIGS. 8-25 are exemplary screen shots of the graphical scripting tool according to the present invention.

15 FIG. 26 is an exemplary screen shot of the user's profile of the graphical scripting tool.

DETAILED DESCRIPTION OF AN EMBODIMENT

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Glossary of Terms Used in this Disclosure

configuration setting - a setting in an information processing system such as a PC during a boot-up and logon process. The configuration settings can be broken down into three categories. The first category is for setting an operating system, that can include configurations settings for an operating system such as a 4-digit year, type of wall paper, type of screen saver, 24 hour clock. The second category is for setting for one or more application

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operating system - software that controls the execution of programs and that may provide services such as resource allocation, scheduling, input/output control, and data management and administration. Although operating system are predominately software, partial hardware implementations are possible.

template -a structure for holding one or more settings to configure the runtime environment of a client information processing system which are independent of the operating system 306 running on the client computer.

user - a person requiring the services of an information processing system.

validation - the processes of taking testing one or more entries in a template against predefined boundary points, criteria or files.

One Embodiment of a Network System For Running the Graphical Logon Tool

FIG. 1 is a block diagram of a client-server system 100 for carrying out this present invention. A server information processing system 102 such as a PC server such as those available from IBM and Compaq or a server from Sun Microsystems or equivalent. The server 102 has an interface 104 for reading programming information from a computer readable medium 106 such as a floppy diskette, CD ROM, DVD ROM, Flash Memory or other removable computer readable medium. The server 102 is linked to a plurality of client information processing systems 104, such as a PC via a network 116 through gateway 114 and router 112.

In addition, one or more of the clients 108, may have an interface 110 for reading programming information from a computer readable medium 112 such as a floppy diskette, CD ROM, DVD ROM, Flash Memory or other removable computer readable medium.

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Referring to FIG. 2, there is shown a block diagram of the major electrical components of an information processing system 200 in accordance with this invention. The electrical components include: a central processing unit (CPU) 208, an Input/Output (I/O) Controller 210, a system power and clock source 212; display driver 214; RAM 202; ROM 204; ASIC (application specific integrated circuit) 206 and a hard disk drive 218. These are representative components of a computer. The operation of a computer comprising these elements is well understood. Network interface 216 provides connection to a computer network such as Ethernet, TCP/IP or other popular protocol network interfaces. Optional components for interfacing to external peripherals include: a Small Computer Systems Interface (SCSI) port 224 for attaching peripherals; a PCMCIA slot 224; and serial port 220. An optional diskette drive 226 is shown for loading or saving code to removable diskettes 228 or equivalent computer readable media. It is important to note that the system 200 can be implemented as any or all of the two information processing components of FIG. 1, the client 108, the server 102.

The system 200 may be implemented by combination of hardware and software. Moreover, the functionality required for using the invention may be embodied in computer-readable media (such as 3.5 inch diskette 228 or 106 or 112) to be used in programming an information-processing apparatus (e.g., a personal computer) to perform in accordance with the invention. Computer program means or computer program in the present context mean any expression, in any language, code or notation, of set of instructions intended to cause a system having an information processing capability to perform a particular function either directly or after either or both of the following: a) conversions to another language, code or notation; b) reproduction in a different material form.

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FIG. 3 is a block diagram illustrating the software hierarchy for the information processing system of FIG. 2 according to the present invention. The hardware 200 is the information processing system of FIG. 2. BIOS (Basic Input Output System) 302 is a set of low level of computer hardware instructions, usually stored in ROM 206, for communications between an operating system 306, device driver(s) 304 and hardware 200. Device drivers 304 are hardware specific code used to communicate between and operating system 306 and hardware peripherals such as a mouse, CD ROM drive or printer. Applications 308 are software application written in C/C++, Java, assembler or equivalent. Operating system 306 is the master program that loads after BIOS 302 initializes, that controls and runs the hardware 200. Examples of operating systems include DOS, Windows 3.1/95/98/NT, Linux, Unix, Macintosh, OS/2 and equivalent. In one embodiment, the graphical scripting tool is an application 308 that resides on the Server 102 and communicates with client 108 over the network 116. In another embodiment, the graphical scripting tool is an application 308 that runs on the client 108 that may be downloaded from the Server 102 such as a Java Application or loaded via computer readable medium 228 on the client 108. In yet another embodiment, the graphical scripting tool is a hybrid application 308 that exists both on the Server 102 and on the client 108. The graphical scripting tool operates in a stand-alone manner and communicates with the server 102 for submission of the intellectual property application.

The present invention can be realized in hardware, software, or a combination of hardware and software. The graphical scripting tool according to the present invention can be realized in a centralized fashion in one computer, or in a distributed fashion where different elements are spread across interconnected computer systems. Any kind of computer system - other apparatus adapted for carrying out the method described herein is suited. A

typical combination of hardware and software could be a general purpose computer system such that it carries out the methods described herein. The present invention can also be embedded in a computer program product, which comprises all the features enabling the implementation of the methods described
5 herein, and which - when loaded in a computer system - is able to carry out these methods.

One Embodiment of a Graphical Logon Tool Over-All Architecture

Turning now to FIG. 4, shown is a high level block diagram 400 of the over
10 all client-server graphical logon tool architecture according to the present invention. The application 308 running on the server presents a GUI Manager 402. The GUI Manager 402 is used by a network administrator is used to configure settings and entries in templates 404. Besides storing the entries selected by the administrator, the template may also contained validation criteria
15 (not shown) that tests to see if the entry is within a predetermined range. In one embodiment, the application 308 on the client 108 contains two components an engine 408 and a program 406 that reads the settings in the templates 404 programs. The combination of the engine 408 and the program 406 are the two major components of the logon script program 410. The engine 408 in this
20 embodiment is a commercially available interpretative engine. The KixStart™ has been shown to be operate well but other engines or compiled languages can also be used. Optionally, the program 406 may be encrypted by compiled so as to prevent unauthorized access or tampering with by anyone using the tool or trying to change the logon settings of a client 108.

25 There are two core components to logon script program 410. Both of these components are composed of a number of executable files, dynamic link libraries, and configuration files. The two core components are:

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1. The program 406 and templates 404 "script".
2. The GUI Manager 402.

While network clients 108 are the true benefactor of logon script program 410 both, core components are installed to and reside on the client-server system 100 network's domain controllers.

The GUI Manager 402 component is the intuitive GUI-based tool that provides the ability to centrally configure and save the configuration settings for the script component. The GUI Manager 402 stores configuration settings to a single file -- SLconfig.kix

One Embodiment of a Graphical Logon Client-Server Process Flow

FIG. 5 is a flow diagram of the client-server process flow 500 according to the present invention. The process begins in step 502 with the GUI Manager 402 where the administrator enters information. FIGS. 8-25 are exemplary screen shots of the GUI Manager 402 graphical scripting tool. FIG. 7 illustrates a user screen for an example drive settings Drive Settings 700. All of the values shown in FIG. 7 are based on FIG. 11. A pull down of possible drive letters 702 is selectable, the share. The shared folder is shown. In an optional embodiment, validation logic test to see if certain user selections are within predefined bounds. For example window 714 shows a window of the possible types with an address 798. Check boxed 710 allows certain types of operating environment. Connection types of LAN or RAS (Remote Access Service).

It is important to note that the combination of one or more conditions for the group, the operating system 306 and the connection method selected using the GUI Manager 402 is checked. In the case that the particular selection does not meet one of these conditions including but not limited group, MAC address, user name, workstation name, TCP/IP address, host address, site, domain,

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operating system and connection method then the selection or setting is skipped. For example the template may request a certain drive letter for the client 108, say drive letter "O" to be mapped a particular resource, say a CD ROM on a server 102, however this can only happen if the user of the client 108 is a member of a particular group. Returning to FIG. 7 ,the drive mapping "H" 722 would only be mapped if the following conditions are met: the computer that the user is logging onto has a TCP/IP address beginning with "10.150." and have "Windows 98" operating system installed and is directly connect to a LAN i.e., not connected using a dial-up connection.

Referring to FIG. 26 as the template 404 is applied to client 108 the engine 408 will substitute actual values in place of dynamic variables. Such as "\$HomeServer" here in FIG. 26 is "sqlserv" and "\$HomeDir" with "BStyles".

The information selected from the GUI Manager 402 screens are stored in the template 404, step 504 . For each client 108, a template 404 is pulled down or read from the server 102, step 506.

The client 108 is started, step 510. The operating system 306 loads step 512. The user logon onto the network 1XX, step 514 and the operating system loads the user profile for the login, step 516. Now the logon script program 410 executes, step 508. During the execution the logon script program takes user & computer information as well as information for the user's profile in the domain database, step 518 and the template downloaded from the server 102, step 506. Returning to FIG. 7 for example, field 704 having the variables "\$HomeServer" an "\$HomeDir" are replaced with the corresponding values that are extracted from the user's profile in the domain database The logon script program 410.applies each component of the configuration template to the client 108 based on such criteria such as group membership of the user, user's logon ID, IP subnets, computer name and more, step 520. As a result of the logon script

program 520, the client computer and software applications are automatically configured for the user that logged ion the client 108 based on the template 404. The logon script program 410 completes step 524 and the client 108 logon process completes 526.

5 It is important to note that although the flow diagrams have depicted this graphical scripting tool to be used during logon and boot-up of the client system, it will be obvious to those of average skill in the art, that the occurrence of the scripting for configuration one or more resources on a client 108 can occur at times other than boot-up and power-on.

10 One Embodiment of a Graphical Logon Tool Client Architecture

FIG. 6 is a block diagram 600 of the graphical logon tool architecture 600 on a client 108 according to the present invention. This process flow shown below is particularly suited for a Microsoft Windows 95, 98, NT or 2000 environment, however, as described above the teachings of this present invention work in other operating system environments as well.

This architecture overview 600 focuses on the script component and the process that executes on the client 108 during the domain logon process.

- Domain authentication block 602 - Prior to the execution of the logon script program 410, each user must first authenticate to the domain. Only domain users that have "ScriptLogic™" assigned to them as the logon script program 410 field under the profiles page of the user's properties in user Manager for Domains (UM) will execute the logon script program 410. Refer to FIG. 26 for an example. It is important to note that in this embodiment, the process of Domain Authentication 602 is not a part of logon script program 410 itself and shown here as a convenient reference for those skilled in the network administration art.

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- scriptlogic.bat 604 - After the domain authentication block 602, a batch file performs the following tasks:

- (i) Check to make sure %windir% is a valid environment variable. In this embodiment, the logon script program 410 was designed to run on Windows 32-bit platforms only. If %windir% is not configured by the operating system 306, logon script program 410 assumes it was executed on an operating system 306 other than 95, 98, NT or 2000 and will not proceed.
- (ii) Determines whether the client 108 should bypass executing the script. If a file named SLbypass exists in the root directory of the system drive, logon script program 410 will not execute.
- (iii) Checks to see if the logon script program 410 client files exist on the client's 108 local storage. If logon script program 410 has been executed on this client 108 before, the built-in automatic "push" technology would have copied the logon script program 410 client files down from the server 102 to a client 108 \ScriptLogic folder on the boot or system drive. Executing logon script program 410 from the client's local storage save network bandwidth and greatly reduce RAS/dial-up networking/VPN logon time.
- (iv) The logon script program 410 is launched by executing SLstart.exe from either the client's \ScriptLogic folder or from the authenticating Domain Controller's NETLOGON share.

- Loader (SLStart.exe) 606 - is responsible for the following functions:

- (i) Verify that KIX32.exe is valid and not corrupt.
- (ii) Verify that the client's %temp% environment is configured and points to a valid folder. If %temp% is not configured, logon script

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program 410 will not execute. If %temp% points to a folder that does not exist, SLstart.exe will attempt to create this folder and continue. If SLstart.exe is unable to create this folder, logon script program 410 will not execute.

- 5 (iii) Display the logon script program 410 splash screen or customer-supplied bitmap (logo.bmp).
- (iv) Load the main script engine 408 (SLEngine.dll) into memory and begin processing.
- 10 (v) Update the progress meter as different functions of the engine 408 are processed.

- Engine (SLEngine.dll) 608 - The SLEngine.dll is part of the engine 408. The SLEngine.dll 608 is the compiled library that provides the core functionality of logon script program 410 and adds additional command functionality to the KiX32 interpreter. For the purpose of this diagram, SLEngine 608 will be logically broken out into three (4) parts.

Part 1 performs the following initial functions:

- 20 (i) Initialize global variables used throughout the script.
- (ii) Detect connection type (LAN or RAS)
- (iii) Read Manager-defined configuration settings from SLconfig.kix 610 into memory.
- (iv) Synchronize workstation time with specified time source.
- (v) Determine list of the logon script program 410 that need to be updated on client's local hard drive (if any).

- 25 Part 2 (SLEngine.dll) - Part 2 is the compiled library that provides the core functionality of logon script program 410 and adds additional command functionality to the engine. In this embodiment the engine is the KixStart™

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KiX32 interpreter. Part 2 of the SLEngine 608 executes the Custom Script1 612. The Custom Script executes after the Manager-defined configuration is read into memory and before the configuration is actually processed. This allows the flexibility to "override" Manager-defined variables with custom script defined variables based on specialized logic.

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Part 3 of the SLEngine 608 configures the client 108 by processing the majority of the Manager-defined configuration:

- Check for administrator-defined password expiration threshold and prompt user to change if necessary.
- Configure legal notice and don't display last user name registry settings. Note with Windows NT/2000, the legal notice and don't display last user name settings will be ignored if the workstation has been configured to "AutoAdminLogon" mode.
- Apply display settings.
- Map drives.
- Configure search path.
- Capture and deploy printers.
- Configure environment.
- Queue any Service Packs for installation after the script completes.
- Apply Policies
- Configure Shell Folders.
- Configure NT Common Shell Folders.
- Queue Applications Launcher programs for execution after the script completes.
- Configure Microsoft Office Paths.
- Configure Microsoft Internet Explorer Settings.
- Create Microsoft Outlook/Exchange Mail Profile.

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- Display Scheduled Message Boxes.
- Update program 406 Log File.
- Purge temporary files to keep disk space cleaned up.
- Distribute application updates such as anti-virus updates.

5 Finally, SLEngine 608 executes the Custom Script 2 614. The SLcustom2.kix 614 to launch a program based on a drive mapping. Drive mappings have not yet occurred when SLcustom1.kix 614 executes.

Part 4 of the SLEngine 608 and adds additional command functionality to the interpretive engine 408:.

10 Part 4 of the SLEngine is the final stage of the engine 608 that executes after the Common Custom Script 2 614 and is responsible for removing temporary files created by the engine 608 and signaling SLstart to turn off the logon script program 410 splash screen and progress meter.

15 At this point logon script program 410 is removed from memory and control is returned to the operating system 306. The logon process is complete.

20 • Custom Script 1 (SLcustom1.kix) 610 - The purpose of the custom script files is to allow customization of the logon script program 410 behavior, above and beyond the functionality offered by the GUI Manager 402 and templates 404 and logon script program 410. All of the custom scripting files are ASCII files and allow the administrator to add their own KiXtart scripting code.

25 There are a two classifications of custom scripts that can be launched by the engine 608 -- they are known as the "pre-engine" and "post-engine" Custom Scripts.

Custom Script 1 (SLcustom1.kix) is the "pre-engine" script since it

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is launched after the Manager-defined configuration settings are read into memory and before the engine 608 processes these configuration settings. This allows administrators to "override" variables defined by the GUI Manager 402 and templates 404 with the administrator's own. For example: the administrator defines drive X: to be mapped for All Domain Users, All operating systems 306 and both connection types as the first entry in the Manager's Drives Tab. However, the administrator does not want this drive mapped for any clients with the letters "FLA" in the NetBIOS workstation name. In this case the administrator would store this entry to the SLconfig.kix file as:

```
$D1='Domain Users,NT 95 98,LAN RAS,X,Show,\\server1\share'
```

The administrators's Custom Script 1 612 (SLcustom1.kix) has the following lines inserted:

```
if instr('$WkSta','FLA')
    $D1=""
endif
```

- Variable Definitions (SLconfig.kix) 618 - is the single file that stores all the configuration settings with GUI Manager 402 and templates 404.

- Common Custom Script 2 (SLcustom2.kix) 614 - The Custom.kix file is the common custom script file that resides on the Domain Controllers. The purpose of the custom script files is to allow an administrator to customize ScriptLogic's behavior, above and beyond the functionality offered by the GUI Manager402, templates 404 and the logon script program 410. All of the custom scripting files are ASCII files that can contain customized KiXtart scripting code.

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There are a two classifications of custom scripts that can be launched by the engine 608 -- they are known as the "pre-engine" and "post-engine" custom scripts.

5 Custom Script 2 614 is known as the "post-engine" script since it is launched after the engine 608 processes the Manager-defined configuration settings. This allows you to "use" drive mappings and other configuration settings after logon script program 410 has applied them to the client 108.

10 For example: if an administrator wants to launch the Microsoft SMS batch file specifically from the server at the user's location, and only if the client logging on is LAN-attached. The administrator has organized the user's into location-specific groups within UMD, and mapped drive S: to the appropriate server's SMS share based on group membership.

15 In the Custom Script 2 614 (SLcustom2.kix) the following lines would be inserted:

```
if $ConnType='LAN' ; * only execute SMS for LAN-attached clients *  
  SHELL '%COMSPEC%' /E:1024 /C S:\SMSLS.BAT'  
endif
```

20 • Operating System Explorer (Shell Loads) - with logon script program 410 removed from memory, control is returned to the operating system 306 and the Shell (Windows Explorer) loads and displays the desktop.

25 • Post Shell 618 - After the Shell (Windows Explorer) loads into memory, programs queued for launch by the engine 608, using the registry's Run key in the HKCU hive, begin to execute.

EXPRESS MAIL NO. EK495954862US

5 These programs include ClrName.exe (to optionally clear the last user's name from the logon dialog box), anti-virus signature updateexecutables, ClrRun.exe (to clear the registry's Run key of any values created by the logon script program 410 launcher), and any other programs queued by the application launcher tab in the GUI Manager 402.

10 It has been shown that using the GUI Manager 402 to fill-in templates 404 that execute on the logon script program 410 on the client 108. The administrator does not need to compile, debug or write a single line of scripting code. The GUI manager has a select the box approach for selecting computer settings.

15 Using this invention, the administrator can centralize the group-based administration of drive mappings, shell folders, printer deployment, proxy server access, MS Office paths, service pack & anti-virus updates, policies and automatic Outlook/Exchange mail profile creation.

20 Moreover to those skilled in the art, it the present invention can be used advantageously with other commercially available packages like Symantec Ghost & PowerQuest Partition Magic. These packages supply the initial OS and application installation and the present invention supplies the necessary user-specific customization during the logon process.

25 Although a specific embodiment of the invention has been disclosed, it will be understood by those having skill in the art that changes can be made to this specific embodiment without departing from the spirit and scope of the invention. The scope of the invention is not to be restricted, therefore, to the specific embodiment, and it is intended that the appended claims cover any and all such applications, modifications, and embodiments within the scope of the present invention.

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What is claimed is:

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CLAIMS

- 1 1. A method in a client-server environment, to manage the configuration
2 of resources on at least one client, the method on a client system comprising
3 the steps of:
4 receiving a configuration template on a computer readable medium
5 containing one or more defined configuration settings; and
6 executing an application program that takes the template and applies at
7 least one of the defined configuration settings to the client system so as to
8 automatically configure for at least one user on the client system, at least one
9 configuration setting.
- 1 2. The method according to claim 1, wherein the step of receiving a
2 configuration template includes receiving a configuration template containing
3 one or more defined configurations from the group of configuration settings
4 consisting of drive mappings, shell folders, printer deployment, proxy server
5 access, application paths, service packs, anti-virus updates, policies and
6 automatic mail profile creation
- 1 3. The method according to claim 1, wherein the step of receiving a
2 configuration template includes receiving a configuration template containing
3 one or more defined configuration settings for an operating system running on
4 the client system.

EXPRESS MAIL NO. EK495954862US

1 4. The method according to claim 1, wherein the step of receiving a
2 configuration template includes receiving a configuration template containing
3 one or more defined configuration settings for an application running on the
4 client system.

1 5. The method according to claim 1, wherein the step of receiving a
2 configuration template includes receiving a configuration template containing
3 one or more defined configuration settings for redirecting a resource on the
4 client to a resource on a network

1 6. The method according to claim 1, wherein the step of receiving a
2 configuration template includes receiving a configuration template from a
3 server system.

1 7. The method according to claim 1, further comprising the step of:
2 executing a interpretative engine that interprets the application program
3 as source programming language; and wherein the step of executing an
4 application program includes executing an application program on the
5 interpretative engine.

1 8. The method according to claim 7, further comprising the step of:
2 receiving a custom application script on a computer readable medium,
3 the custom application script in a source programming that is interpreted by
4 the interpretative engine; and wherein the step executing an application
5 program includes executing an application program along with the custom
6 application script so as to automatically configure for at least one user, at least
7 one configuration setting.

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1 9. The method according to claim 8, wherein the step of executing an
2 application program includes executing the custom application script prior to
3 the execution of the application program so as to cause the application
4 program to alter at least one configuration setting differently then if the
5 application program was executed after the custom application script.

1 10. The method according to claim 8, wherein the step of executing an
2 application program includes executing the custom application script after the
3 execution of the application program so as to cause the application program
4 to alter at least one configuration setting differently then if the application
5 program was executed prior to the custom application script.

1 11. The method according to claim 1, wherein the step of executing an
2 application program includes executing an application program that takes the
3 template and applies at least one of the defined configuration settings to the
4 client system so as to automatically configure for at least one user on the
5 client system, at least one configuration setting if the combination of one or
6 more predefined conditions for selected group, MAC address, user name,
7 workstation name, TCP/IP address, host address, site, domain, operating
8 system and connection method are met.

EXPRESS MAIL NO. EK495954862US

1 15. A method in a client-server environment, to manage the configuration
2 of resources on at least one client, the method on a server system comprising
3 the steps of:

4 presenting a graphical user interface to a user containing user
5 selectable items representing one or more configuration settings for at least
6 one user on at least one client system;

7 receiving one or more user selections on the graphical user interface;

8 storing the one or more user selections in a configuration template
9 so as to automatically configure for at least one user on the client system, at
10 least one configuration setting; and

11 transferring the configuration template to at least one client system so
12 at to cause an application program to take the template and apply at least one
13 of the defined configuration settings to the client system so as to automatically
14 configure for at least one user on the client system, at least one configuration
15 setting.

1 16. A method according to claim 15, wherein the step of receiving one or
2 more selections includes receiving one or more configuration settings from the
3 group of configuration settings consisting of drive mappings, shell folders,
4 printer deployment, proxy server access, application paths, service packs,
5 anti-virus updates, policies and automatic mail profile creation.

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1 17. The method according to claim 15, wherein the step of transferring a
2 configuration template includes transferring a configuration template
3 containing one or more defined configuration settings for an operating system
4 running on the client system.

1 18. The method according to claim 15, wherein the step of transferring a
2 configuration template includes transferring a configuration template
3 containing one or more defined configuration settings for an application
4 running on the client system.

1 19. The method according to claim 15, wherein the step of transferring a
2 configuration template includes transferring a configuration template
3 containing one or more defined configuration settings for redirecting a
4 resource on the client to a resource on a network.

1 20. The method according to claim 15, wherein the step of transferring the
2 configuration template includes transferring the configuration template to at
3 least one client system so as to cause an application program to take the
4 template and apply at least one of the defined configuration settings to the
5 client system so as to automatically configure for at least one user on the
6 client system, at least one configuration setting if the combination of one or
7 more predefined conditions for a selected group, MAC address, user name,
8 workstation name, TCP/IP address, host address, site, domain, operating
9 system and connection method are met.

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1 21. The method according to claim 20, wherein the step of transferring the
2 configuration template includes transferring the configuration template to at
3 least one client system so as to cause an application program to take the
4 template and apply at least one of the defined configuration settings to an
5 operating system running on the client system so as to automatically configure
6 for at least one user on the client system, at least one configuration setting if
7 the combination of one or more predefined conditions for selected group, MAC
8 address, user name, workstation name, TCP/IP address, host address, site,
9 domain, operating system and connection method are met.

1 22. The method according to claim 20, wherein the step of transferring the
2 configuration template includes transferring the configuration template to at
3 least one client system so as to cause an application program to take the
4 template and apply at least one of the defined configuration settings to an
5 application running on the client system so as to automatically configure for at
6 least one user on the client system, at least one configuration setting if the
7 combination of one or more predefined conditions for a selected group, MAC
8 address, user name, workstation name, TCP/IP address, host address, site,
9 domain, operating system and connection method are met.

1 23. The method according to claim 20, wherein the step of transferring the
2 configuration template includes transferring the configuration template to at
3 least one client system so as to cause an application program to take the
4 template and apply at least one of the defined configuration settings to redirect
5 a resource on the client to a resource on a network so as to automatically
6 configure for at least one user on the client system, at least one configuration
7 setting if the combination of one or more predefined conditions for selected

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- 1 group, MAC address, user name, workstation name, TCP/IP address, host
- 2 address, site, domain, operating system and connection method are met..

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1 24. A computer readable medium containing programming instructions on a
2 client system in a client-server environment, the programming instructions for
3 managing the configuration of resources on at least one client, the computer
4 readable medium comprising the instructions of:

5 receiving a configuration template on a computer readable medium
6 containing one or more defined configuration settings; and

7 executing an application program that takes the template and applies at
8 least one of the defined configuration settings to the client system so as to
9 automatically configure for at least one user on the client system, at least one
10 configuration setting.

1 25. The computer readable medium according to claim 24, wherein the
2 programming instruction of receiving a configuration template includes
3 receiving a configuration template containing one or more defined
4 configurations from the group of configuration settings consisting of drive
5 mappings, shell folders, printer deployment, proxy server access, application
6 paths, service packs, anti-virus updates, policies and automatic mail profile
7 creation.

1 26. The computer readable medium according to claim 24, wherein the
2 programming instruction of executing an application program includes
3 executing an application program that takes the template and applies at least
4 one of the defined configuration settings to the client system so as to
5 automatically configure for at least one user on the client system, at least one
6 configuration setting if the combination of one or more predefined conditions
7 for selected group, MAC address, user name, workstation name, TCP/IP

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- 1 address, host address, site, domain, operating system and connection method
- 2 are met.

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1 27. A client system to manage the configuration of at resource in a client-
2 server environment comprising:

3 means for receiving a configuration template on a computer readable
4 medium containing one or more defined configuration settings; and

5 means executing an application program that takes the template and
6 applies at least one of the defined configuration settings to the client system
7 so as to automatically configure for at least one user on the client system, at
8 least one configuration setting.

1 28. The system according to claim 27, wherein the means for receiving a
2 configuration template includes receiving a configuration template containing
3 one or more defined configurations from the group of configuration settings
4 consisting of drive mappings, shell folders, printer deployment, proxy server
5 access, application paths, service packs, anti-virus updates, policies and
6 automatic mail profile creation.

1 29. The system according to claim 27, wherein the means for executing an
2 application program includes executing an application program that takes the
3 template and applies at least one of the defined configuration settings to the
4 client system so as to automatically configure for at least one user on the
5 client system, at least one configuration setting if the combination of one or
6 more predefined conditions for selected group, MAC address, user name,
7 workstation name, TCP/IP address, host address, site, domain, operating
8 system and connection method are met.

EXPRESS MAIL NO. EK495954862US

**METHOD AND APPARATUS TO MANAGE NETWORK CLIENT
LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND
ADMINISTRATION TOOL**

ABSTRACT

A GUI (Graphical User Interface) Manager to is by a network administrator to fill-in predefined templates. The administrator does not need to compile, debug or write a single line of scripting code. The GUI manager has a "select the box" and "point and click" and "fill-in the blank" approach for selecting computer settings. The predefined template or templates are used by a logon script program on a client system to manage the configuration of resources on at least one client. There are three levels of resources that can be managed. The first type of resource is operating system. The second type of resource is an application resource. And the third type of resource is to redirect a resource on the client to a resource on a network such as a drive letter mapping. Resources include configurations from the group of configuration settings consisting of drive mappings, shell folders, printer deployment, proxy server access, application paths, service packs, anti-virus updates, policies and automatic mail profile creation.

In another embodiment validation logic is used on the clients' system during the executing an application program that takes the template and applies the defined configuration settings in the template to the clients' system so as to automatically configure at least one configuration setting for a user if the combination of one or more predefined conditions for a selected group, a selected operating system and a selected connection method are met.

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In still another embodiment, an interpretive engine is used on the client's system to permit the administration of client resources with a template while also allowing network administrators to build their own custom logon scripts.

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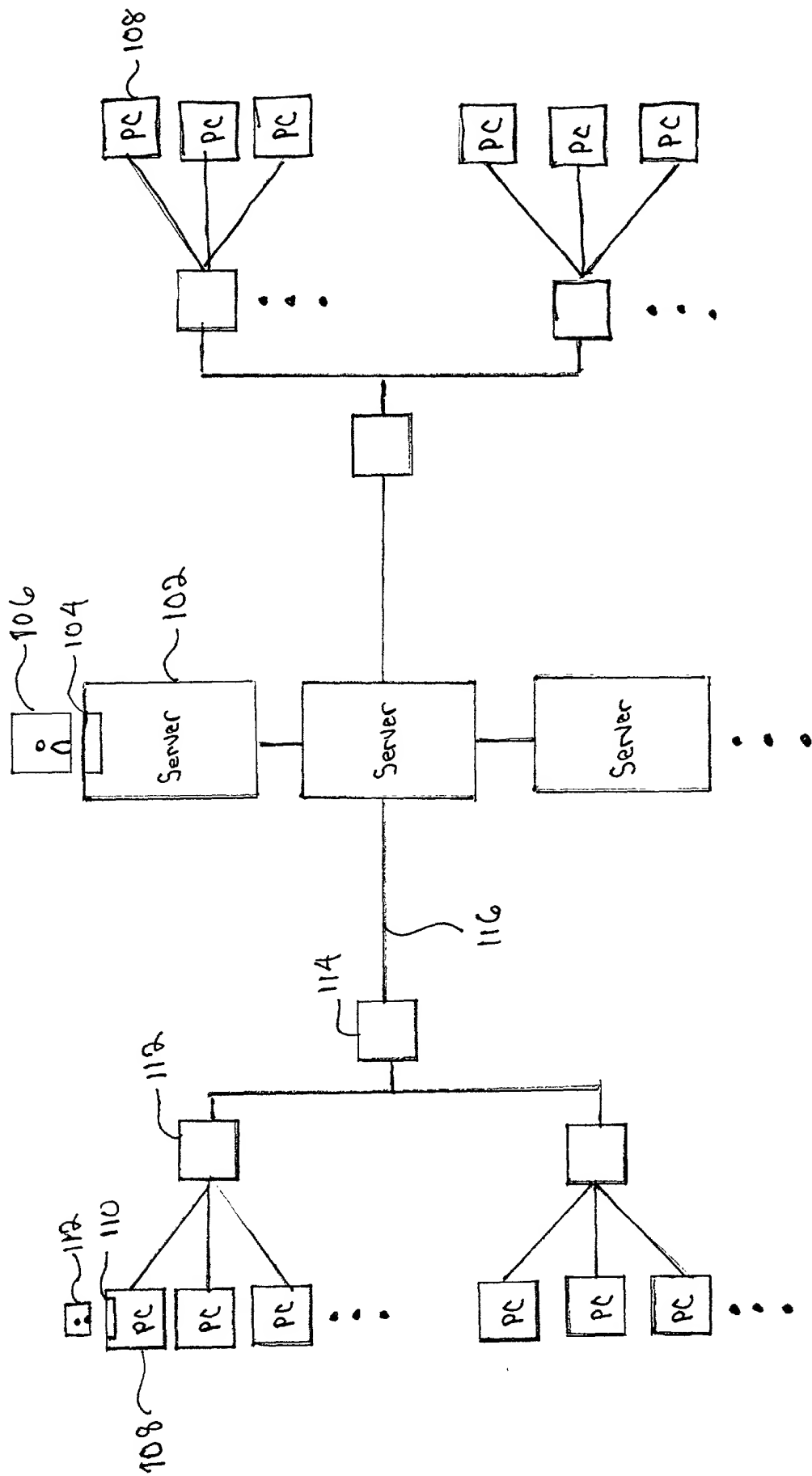


Fig. 1

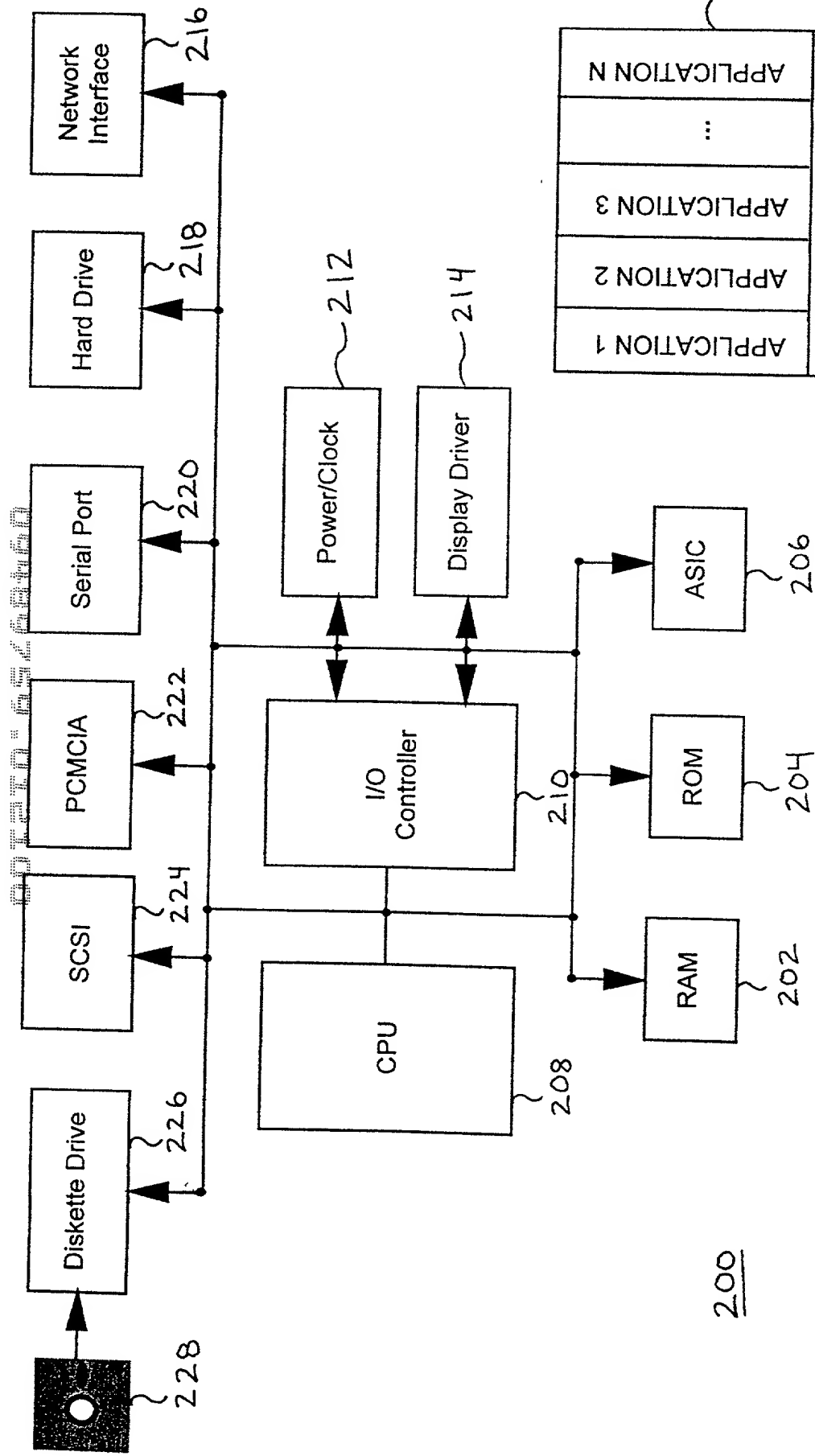


FIG. 2

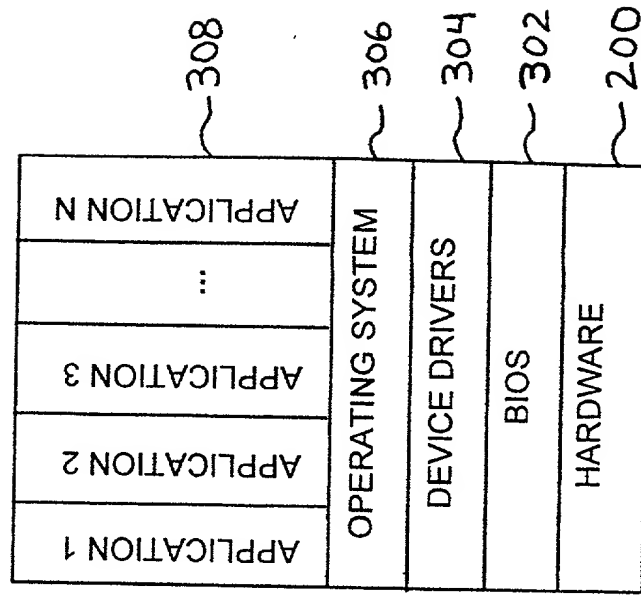
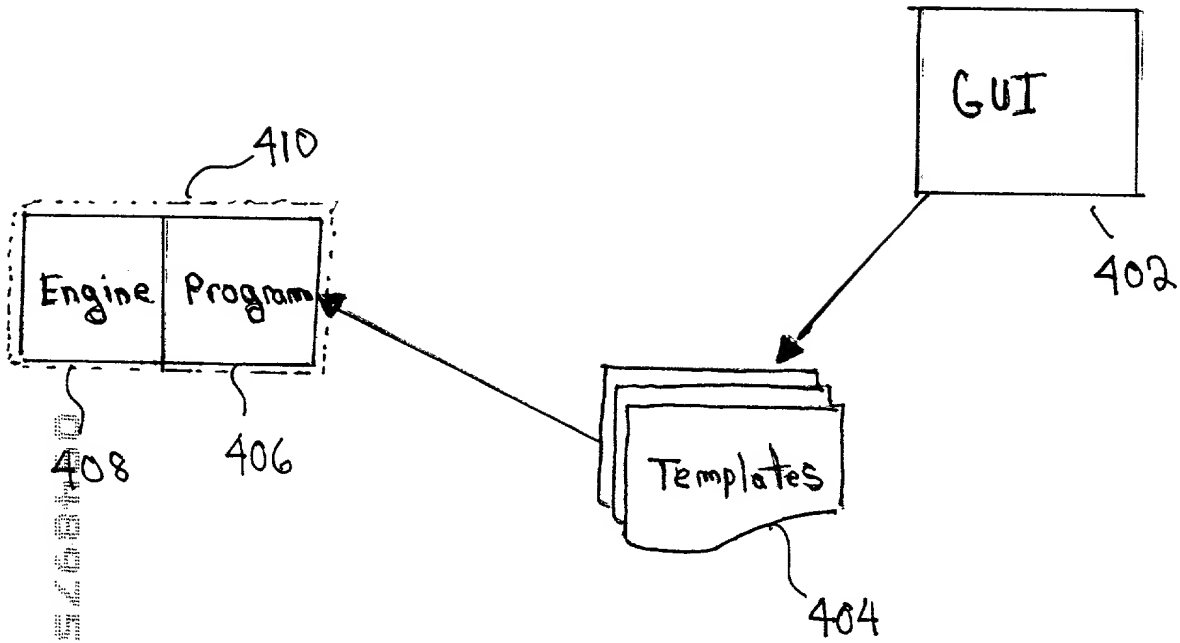


FIG. 3

Client

Server/Administrator



400

CLIENT LOGON PROCESS

CENTRALIZED ADMINISTRATION

Computer Powered On ~510

Operating System Loads ~512

User logs on to network ~514

Operating system loads the user's "profile" ~516

The ScriptLogic program is executed on the client computer ~508

User & Computer information ~518

518

520

ScriptLogic applies each component of the configuration template to the client computer based on criteria such as group membership of the user, user's logon id, IP subnet, computer name, etc.

522

Result: client computer and software applications are automatically configured for the user that logged on to that computer -- based on the centralized configuration setup by the network administrator

524

SCRIPTLOGIC EXECUTION COMPLETE

526

CLIENT LOGON PROCESS COMPLETE

ScriptLogic GUI-based Manager (point & click configuration)
Network administrator centrally configures settings that will be applied to each user/computer based on validation logic ~502

Manager-defined settings are stored in configuration file (template) ~504

Manager Defined configuration file (template) read from network ~506

506

FIG. 5

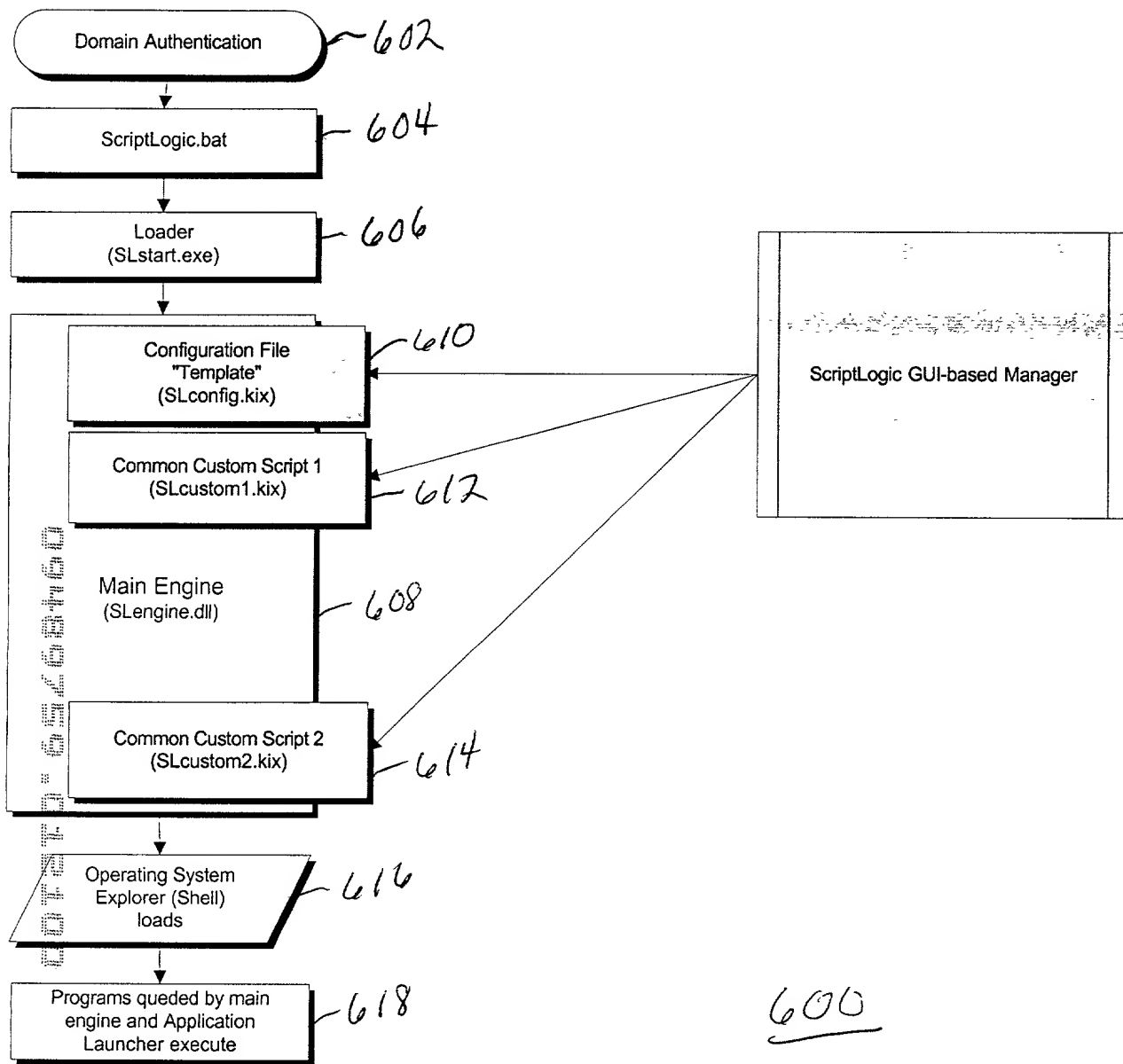
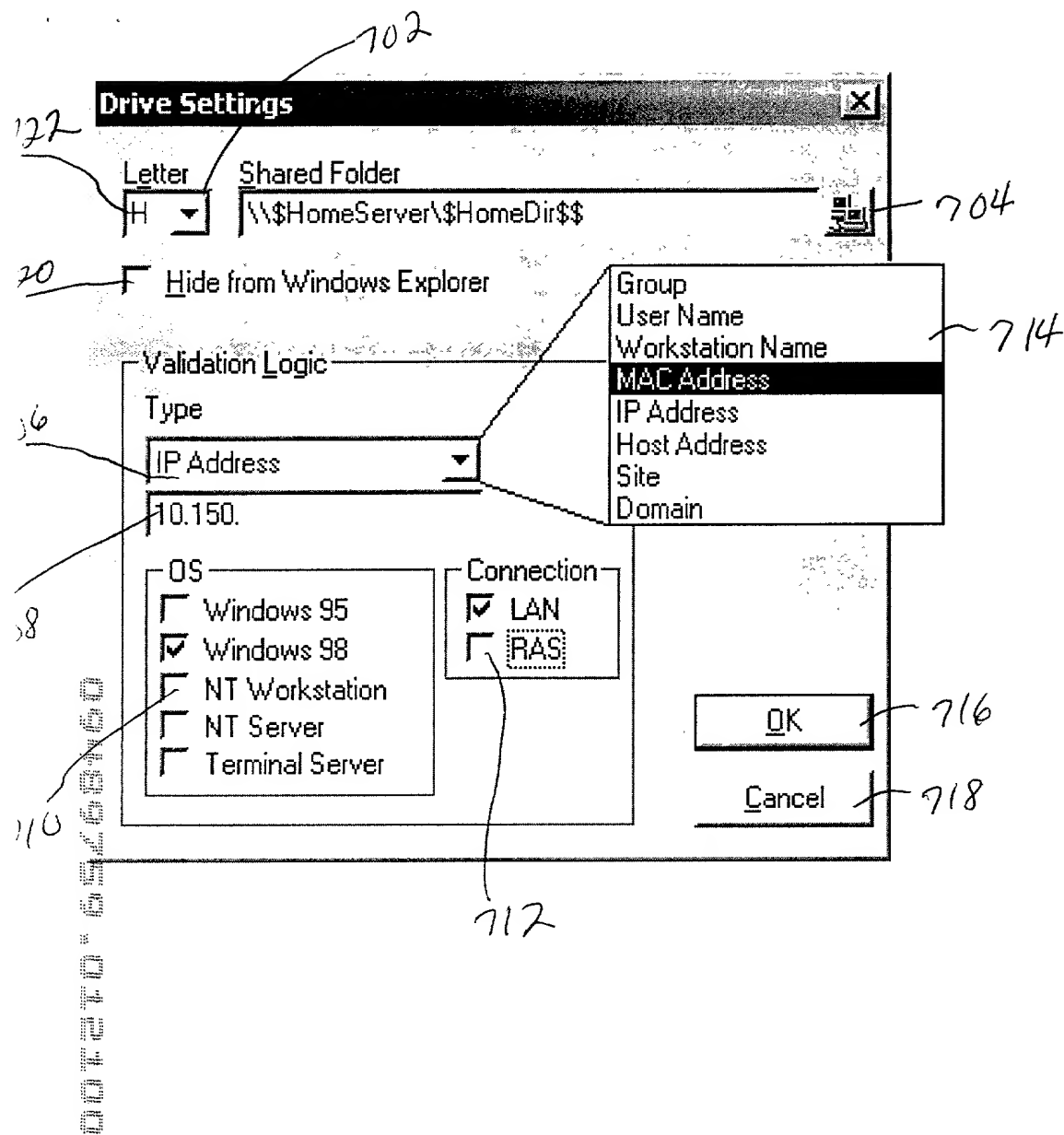


Figure 6



700

Figure 7

ScriptLogic Configuration Properties



Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
 Updates | Application Launcher | Message Boxes | Registry | Legal Notice
 General | Logging | Display | Drives | Path | Printers | Environment

Time Source (Server or Domain)

Prompt Purge client %TEMP%*.tmp files on the first Wednesday of every month.

Warn user days before network password will expire.

Check Drive for Concurrent Logins

Warn user if less than MB are free on system drive.

☒ Don't Display Last User Name

Text Logon Screen Only

Script Completion Message

Warning Message Boxes

Supplemental Text

OK

Cancel

Figure 8

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ScriptLog Configuration Properties

Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
General | Logging | Display | Drives | Path | Printers | Environment

Path
Log File Location: \\SERVER1\LOGS\$

Field 1	Current date	Field 8	Network MAC address
Field 2	Current time	Field 9	Logon ID of the user
Field 3	Logon server	Field 10	Full name of user
Field 4	NetBIOS machine name	Field 11	(\$PRIV)
Field 5	Operating System version.build	Field 12	Connection Type (e.g. LAN RAS)
Field 6	Operating System current service pack NT-	Field 13	\$SystemDrive \$FreeSpace
Field 7	TCP/IP address of the client	Field 14	Security Identifier (SID)

Purge Log files older than 3 Months

OK Cancel

Figure 9

ScriptLogic Configuration Properties [X]

Policies	MS Office	Shell Folders	NT Common Shell Folders	Internet	Outlook
Updates	Application Launcher	Message Boxes	Registry	Legal Notice	
General	Logging	Display	Drives	Path	Printers
					Environment

☐ Add "Command Prompt Here" to Right-Click Menu

☒ Remove Windows Welcome

☒ Remove IntelliMouse Tips

☒ Remove "Shortcut To" Prefix

☒ Remove Find Fast Startup

☒ Disable NT Print Popup

Rename "My Computer" to:

Rename "Network Neighborhood" to:

OK Cancel

Figure 10

ScriptLogic Configuration Properties

Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
 Updates | Application Launcher | Message Boxes | Registry | Legal Notice
 General | Logging | Display | Drives | Path | Printers | Environment

Letter	Path	Hidden	Group	Operating System	Connection Type
F	\\NTFILE\Vol1	Yes	Domain Users	95 98 NT	LAN RAS
F	\\NTFILE\Vol1	No	Domain Admins	95 98 NT	LAN RAS
G	\\NTFILE\Apps	No	Domain Users	95 98 NT	LAN RAS
H	\\NTFILE\\${UserID}\$	No	Domain Users	95 98 NT	LAN RAS
J	\\NTFILE\DATA	No	Domain Users	95 98 NT	LAN RAS
X	\\NTFILE\Archive	No	Domain Users	95 98 NT	LAN RAS
W	\\SQLSERV\Pivotal	No	ICRM_Group	95 98 NT	LAN RAS
D	\\NTFILE\CD1	No	!Network_Support	95 98 NT	LAN RAS
P	\\NTFILE\CD2	No	!Network_Support	95 98 NT	LAN RAS
Q	\\NTFILE\cd3	No	!Network_Support	95 98 NT	LAN RAS
R	\\NTFILE\cd4	No	!Network_Support	95 98 NT	LAN RAS
S	\\NTFILE\cd5	No	!Network_Support	95 98 NT	LAN RAS
T	\\NTFILE\cd6	No	!Network_Support	95 98 NT	LAN RAS
U	\\NTFILE\cd7	No	!Network_Support	95 98 NT	LAN RAS
N	\\NTFILE\CD8	No	Administrators	95 98 NT	LAN RAS

Add | Insert | Modify | Delete | Move Up | Move Down

OK

Cancel

Figure 11

ScriptLogic Configuration

Polices | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
General | Logging | Display | Drives | Path | Printers | Environment

Path	Group	Operating System	Connection Type
F:\BAT	Dorain Users	95 98 NT	LAN
F:\UTIL	Dorain Users	95 98 NT	LAN
G:\TM	Dorain Users	95 98 NT	LAN

Add | Insert | Modify | Delete | Move Up | Move Down

OK | Cancel | Help

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Figure 12

ScriptLogic Configuration



Polices | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
General | Logging | Display | Drives | Path | Printers | Environment

LPT#	Path	Auto Add/Remove	Default	Group	Operating System	Cor
1	\\NTFLE\hp4000_acctg	Add	Yes	Domain Users	95 98 NT	LAM
1	\\NTFLE\hp4000_sales	Add	Yes	!PrintGroup_Stafftek	95 98 NT	LAM
3	\\NTFLE\invoices	Add		Domain Users	95 98 NT	LAM

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Help

Figure 13

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ScriptLogic Configuration Properties

Updates

Application Launcher

Message Boxes

Registry

Legal Notice

Policies

MS Office

Shell Folders

NT Common Shell Folders

Internet

Outlook

General

Logging

Display

Drives

Path

Printers

Environment

Variable	Value	Group	Operating System	Connection Type
Initials	\$Initials	Domain Users	95 98 NT	LAN RAS
HostName	\$HostName	Domain Users	95 98 NT	LAN RAS
UserID	\$UserID	Domain Users	95 98 NT	LAN RAS

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Figure 14

ScriptLogic Configuration Properties

Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice

Version	Update Version	Update Executable	Group	Operating System
4.0	Service Pack 5	\\server1\spacks\$\nt4sp5\update\update.exe	Domain Users	NT
3.51	Service Pack 5	\\server1\spacks\$\nt351sp5\update.exe	Domain Users	NT

Add

Insert

Modify

Delete

Move Up

Move Down

*Note: Service Packs will not be installed on servers.

Anti-Virus

95 Anti-Virus Update Executable \\ntfile\cheyupd\$\avupdate.exe

NT Anti-Virus Update Executable

OK

Cancel

Figure 15

ScriptLogic Configuration Properties



Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice

Filespec	Cycle	Cycle...	Group	Operating
ieexplore.exe	E		Domain Users	NT
\$ProgramFilesDir\Internet Explorer\ieexplore.exe	E		Domain Users	95 98
\$SystemDrive\Program Files\Microsoft Office\Office\OUTLOOK.EXE	E		Domain Users	95 98 NT

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Figure 16

ScriptLogic Configuration Properties

Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice

Text	Title	Style	Time	Cycle	Cycle Data	Group	0
Glad to see you're working on the weekend!	ScriptLogic	i	5	D	6	Domain Users	9
Glad to see you're working on the weekend!	ScriptLogic	i	5	D	0	Domain Users	9
T.G.I.F	ScriptLogic	i	3	D	5	Domain Users	9

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Figure 17

ScriptLogic Configuration Properties

Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook
 General | Logging | Display | Drives | Path | Printers | Environment
 Updates | Application Launcher | Message Boxes | Registry | Legal Notice

Action	Hive	Key	Type	Value	Data	Group
WriteValue	HKCU	ControlPanel\Keyboard	REG_SZ	InitialKeyboardIndicators	2	Domain U:
WriteValue	HKCU	Control Panel\International	REG_SZ	sShortDate	MM/dd/yyyy	Domain U:
WriteValue	HKCU	Control Panel\International	REG_SZ	sTimeFormat	HH:mm:ss	Domain U:

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Figure 18

ScriptLogic Configuration Properties



Policies	MS Office	Shell Folders	NT Common Shell Folders	Internet	Outlook
General	Logging	Display	Drives	Path	Printers
Updates	Application Launcher	Message Boxes	Registry	Environment	Legal Notice

Window Title

☐ Clear Legal Notice

Welcome to ACME Corp.

Message

You are logging on to a private computer network that contains confidential and proprietary information. By pressing OK and continuing to logon, you hereby agree to and accept the Terms of Use as detailed in our company's employment manual.

OK

Cancel

Figure 19

ScriptLogic Configuration Properties

General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook

Policy	Setting	Group	Operating System	Connection Type
LM: No 9x Password Caching	Enable	Domain Users	95 98	LAN
LM: Force 9x Domain Logon	Enable	Domain Users	95 98	LAN
No Start-Menu 'Find'	Enable	Policies	NT	LAN RAS
No Start-Menu 'Settings'	Enable	Policies	95 98 NT	LAN RAS
No Start-Menu 'Run'	Enable	Policies	95 98 NT	LAN RAS
No Map Network Drives	Enable	Policies	NT	LAN RAS
No Network Neighborhood	Enable	Policies	NT	LAN RAS
No Edit Taskbar	Enable	Policies	95 98 NT	LAN RAS
No Display Option	Enable	Policies	NT	LAN RAS
No Change Background	Enable	Policies	NT	LAN RAS
No Change Screen Saver	Enable	Policies	NT	LAN RAS
No Change Display Settings	Enable	Policies	NT	LAN RAS
No Registry Tools	Enable	Policies	NT	LAN RAS
No Start-Menu 'Shutdown'	Enable	Policies	NT	LAN RAS

Add

Insert

Modify

Delete

Move Up

Move Down

Policy Exempt Group Domain Admins

OK

Cancel

Figure 20

ScriptLogic Configuration Properties



General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook

Application	Path	Group	Operating System	Connection
Office 8.0 Templates	H:\Templates	Domain Users	*	*
Office 9.0 Templates	H:\Templates	Domain Users	*	*
Office 8.0 Workgroup Templates	G:\Microsoft Office\Templates	Domain Users	*	*
Office 9.0 Workgroup Templates	G:\Microsoft Office\Templates	Domain Users	*	*
Word 8.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS
Word 9.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS
Word 8.0 Clip Art	G:\Microsoft Office\Clipart	Domain Users	*	*
Word 9.0 Clip Art	G:\Microsoft Office\Clipart	Domain Users	*	*
Excel 8.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS
Excel 9.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS
Word 7.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS
Excel 7.0 Open/Save	H:\Documents	Domain Users	95 98 NT	LAN RAS

Add

Insert

Modify

Delete

Move Up

Move Down

☒ Disable Office Assistant☒ Enable Live Scrolling

OK

Cancel

Figure 21

ScriptLogic Configuration Properties



General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook

Setting	Option	Group	Operating System	Connection
Application Data	H:\Windows\Application Data	Domain Users	95 98 NT	LAN
History	H:\Windows\History	Domain Users	95 98 NT	LAN
Recent	H:\Windows\Recent	Domain Users	95 98 NT	LAN
Cookies	H:\Windows\Cookies	Domain Users	95 98 NT	LAN
Temporary Internet Files	H:\Windows\Temporary Internet Files	Domain Users	95 98 NT	LAN
Personal Folder	H:\Personal	Domain Users	95 98 NT	LAN
Favorites (IE Bookmarks)	J:\Common\Bookmarks	Domain Users	95 98 NT	LAN

Add

Insert

Modify

Delete

Move Up

Move Down

OK

Cancel

Figure 22

007270" 65268760

ScriptLogic Configuration Properties [X]

General | Logging | Display | Drives | Path | Printers | Environment
Updates | Application Launcher | Message Boxes | Registry | Legal Notice
Policies | MS Office | Shell Folders | NT Common Shell Folders | Internet | Outlook

Setting	Option	Group	Operating System	Connection Type
Common Start Menu	G:\CRM-Group\StartMenu	ICRM_Group	NT	LAN
Common Start Menu	G:\Sales-Group\StartMenu	Domain Users	NT	LAN
Common Desktop	G:\AllUsers\Desktop	Domain Users	NT	LAN

Add | Insert | **Modify** | Delete | Move Up | Move Down

OK | Cancel

Figure 23

007270-65768160

ScriptLogic Configuration Properties [X]

General	Logging	Display	Drives	Path	Printers	Environment
Updates	Application Launcher	Message Boxes	Registry	Legal Notice		
Policies	MS Office	Shell Folders	NT Common Shell Folders	Internet	Outlook	

Start Page	Download Dir	Proxy Enable	Proxy Server	Proxy Port	Proxy Bypass	Proxy Ove
http://home.inteletek.com	H:\Downloads	No			No	
		Yes	10.0.0.5	8080	Yes	

◀ ▶

Add	Insert	Modify	Delete	Move Up	Move Down
-----	--------	--------	--------	---------	-----------

☒ Remove IE4 Tour
☒ Remove Internet Connection Wizard

OK Cancel

Figure 24

007270" 05/26/96

ScriptLogic Configuration Properties [X]

General	Logging	Display	Drives	Path	Printers	Environment
Updates	Application Launcher	Message Boxes	Registry	Legal Notice		
Policies	MS Office	Shell Folders	NT Common Shell Folders	Internet	Outlook	

☒ Create Mail Profile for Group Domain Users

☐ Overwrite Any Existing Profile With Same Name

Profile Template File: exchprof.prf

Mail Profile Name: \$FullName

Mailbox Name: \$FullName

Exchange Server: \\NTFILE

☒ Prompt to Empty Wastebasket on Exit

Outlook 2000

☒ View Folder List

☐ View Outlook Bar

PAB & Personal Folder Settings

Folder: H:\Exchange

☒ Enable Personal Address Book

PAB File Name: \$UserID.PAB

☐ Enable Personal Folders

PST File Name: \$UserID.PST

Offline Access Settings

Folder: \$SystemDrive\Data

☐ Enable Offline Address Book

☐ Enable Offline Folders

OST File Name: \$UserID.OST

OK Cancel

Figure 25

Dynamic Variables

User View Policies Options Help

Username Full Name Description

User Properties

Username: BStyles

Full Name: Brian Styles

Description: #BJS [Inteletek]

Password: *****

Confirm Password: *****

☐ User Must Change Password at

☐ User Cannot Change Password

☒ Password Never Expires

☐ Account Disabled

☐ Account Locked Out

Groups

Profile

Hours

IDHCp-Conversion

Executive

Human Resources

Internet_Proxy

Legal

Legal Group

User Environment Profile

User: BStyles (Brian Styles)

User Profiles

User Profile Path:

Logon Script Name: ScriptLogic

Home Directory

Local Path:

Connect Y: To \\sqlserv\users\BStyles

Legal Group

OK

Cancel

Help

Logon script user: BStyles assigned to

\$homeServer

\$homeDir

Figure 26

**DECLARATION AND POWER OF ATTORNEY FOR
PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS
USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL**

the specification of which: (check one)

☒ is attached hereto.

☐ was filed on _____
under Attorney's Docket Number _____
as Application Serial No. _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit of foreign priority under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application the priority of which is claimed:

Prior Foreign Application(s):

Priority Claimed

(Number) (Country) (Filing Date) Yes _____ No _____

I hereby claim the benefit of United States priority under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial #) (Filing Date) (Status)

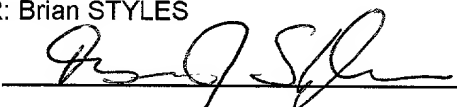
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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